

The following Competenz qualifications are affected by the outcome of this review and will be reviewed and/or revised in 2009 and/or 2010. The standards in **bold** have generated the *Affected* status.

Qualification title	Classification or standard in the qualification
National Certificate in Engineering - Fabrication (Level 4) with strands in Heavy Fabrication, Light Fabrication, and Welding [Ref: 0122]	2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681 , 2682, 2684, 2685, 2686, 2687, 2688, 2689, 2690 , 2691, 2692, 2693, 2694, 2695, 2696, 2697 , 18106
National Certificate in Engineering - Fabrication (Level 5) with strands in Heavy Fabrication, Light Fabrication, and Welding [Ref: 0681]	2692, 2693, 2694, 2695, 2696, 2697
National Certificate in Heating, Ventilating, and Air Conditioning (Mechanical Services) (Level 4) [Ref: 0124]	2672, 2676, 2678, 2679, 2682, 2683, 2690 , 2695, 2696

The following Competenz qualifications are not materially affected by the changes. They will be updated when they are next reviewed.

Qualification title	Standard in the qualification
National Certificate in Gunsmithing (Master) (Level 5) [Ref: 0347]	2692, 2693
National Certificate in Lifts and Escalators (Level 4) with strands in Installation, and Servicing [Ref: 0662]	2682
National Certificate in Maritime (Merchant Navy Deck and Engine Room Watch Rating) [Ref: 0259]	2682
National Certificate in Refrigeration and Air Conditioning (Level 4) [Ref: 0130]	2679

The following qualifications are also affected by the outcome of this review. The standard setting bodies (SSBs) have been advised that they require revision.

Qualification title	Classification or standard in the qualification	SSB Name
National Certificate in Boatbuilding (Level 4) with strands in Marine Cabinetmaking, Composite Sparmaking, Alloy Boatbuilding, Marine Rigging, Marine Painting, Composite Boatbuilding, Steel Boatbuilding, Wooden Boatbuilding, Marine Systems Engineering, Metal Sparmaking, Composite Production Trailer Boats, and Alloy Production Trailer Boats [Ref: 0877]	2671, 2672, 2675, 2676, 2677, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689	Boating Industry Training Organisation
National Certificate in Electrical Engineering (Electrical Appliance and Electronic Servicing) (Level 4) with strands in Commercial Electrical Appliances, Domestic Electrical Appliances, Electronic Consumer Goods, Office Equipment, and Portable Electrical Appliances and Power Tools [Ref: 1266]	2679	ElectroTechnology Industry Training Organisation
National Certificate in Electricity Supply (Electrical) (Level 3) with strands in Electricity Supply Electrician, Electrical Fitter, and Electrical Technician [Ref: 1294]	2678, 2682	Electricity Supply Industry Training Organisation
National Certificate in Electricity Supply (Electrical) (Level 4) with strands in Electricity Supply Electrician, Electrical Fitter, and Electrical Technician [Ref: 1295]	2672	Electricity Supply Industry Training Organisation

Qualification title	Classification or standard in the qualification	SSB Name
National Certificate in Engineering and Technology (Glass Container Mould Maintenance) (Level 3) [Ref: 1379]	2678	Plastics and Materials Processing Industry Training Organisation Incorporated
National Certificate in Motor Industry (Automotive Body) with strands in Coachbuilding, Collision Repair, Dismantling and Recycling, Refinishing, and Vehicle Detailing [Ref: 1413]	2677	NZ Motor Industry Training Organisation (Incorporated)
National Certificate in Motor Industry (Automotive Body) (Level 4) with strands in Coachbuilding, Collision Repair, and Refinishing [Ref: 1414]	2676	NZ Motor Industry Training Organisation (Incorporated)
National Certificate in Motor Industry (Automotive Electrical and Mechanical Engineering) (Level 3) with strands in Electrical and Electronics, Light Vehicle, Motorcycle, Outdoor Power Equipment, and Trailer Boat Systems [Ref: 1421]	2677	NZ Motor Industry Training Organisation (Incorporated)
National Certificate in Motor Industry (Automotive Specialist Engineering) (Level 3) with strands in Automotive Heating, Ventilation, and Air Conditioning; Automotive Machining; Diesel Fuel Injection; and Motorsport [Ref: 1415]	2677	NZ Motor Industry Training Organisation (Incorporated)
National Certificate in Motor Industry (Automotive Specialist Engineering) (Level 4) with strands in Automotive Heating, Ventilation, and Air Conditioning; Automotive Machining; Diesel Fuel Injection; and Motorsport [Ref: 1416]	2677, 2689	NZ Motor Industry Training Organisation (Incorporated)
National Certificate in Motor Industry (Vehicle Servicing) with strands in Brake and Clutch, Exhaust Systems, Radiator Repair, Steering and Suspension, Tyres, Underbody and General Service, and Vehicle Security, and with an optional strand in Heavy Vehicle Steering and Suspension [Ref: 1420]	2676, 2677	NZ Motor Industry Training Organisation (Incorporated)
National Certificate in Plumbing, Gasfitting and Drainlaying (Introduction) (Level 2) [Ref: 1488]	2678	Plumbing, Gasfitting and Drainlaying ITO Ltd

Summary of main changes

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same Id and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new Id
D	Standard will expire and not be replaced

Subfield Mechanical Engineering

Domain Welding

Id	Title	Level	Credit	Review Category
2671	Weld steel structures with the manual metal arc welding process in downhand positions Weld steel structures in the downhand positions using the manual metal arc welding process	3	6	B
2672	Weld steel to a general purpose industry standard with the gas metal arc welding process Weld steel in the downhand positions to a general purpose industry standard using the gas metal arc welding process	3	6	B
2673	Weld steel structures with the gas metal arc welding process in downhand positions Weld steel structures in the downhand positions using the gas metal arc and flux cored arc welding processes	3	6	B
2674	Weld stainless steel plate with the gas metal arc welding processes in the downhand positions Weld stainless steel plate in the downhand positions using the gas metal arc and flux cored arc welding processes	3	6	B
2675	Weld aluminium with the gas metal arc welding process in the downhand positions Weld aluminium in the downhand positions using the gas metal arc welding process	3	6	B
2676	Weld stainless steel sheet with the gas tungsten arc welding process Weld stainless steel sheet using the gas tungsten arc welding process	3	6	B
2677	Weld aluminium with the gas tungsten arc welding process in the downhand positions Weld aluminium in the downhand positions using the gas tungsten arc welding process	3	6	B
2678	Join metals with the oxyacetylene welding process Join metals using the oxyacetylene welding process	3	6	B

Id	Title	Level	Credit	Review Category
2679	Join metals using torch brazing and soldering Join metals using the torch brazing and soldering processes	3	6	B
2680	Join metals with the resistance welding process Join metals using the resistance welding process	3	4	B
2681	Weld steel structures with the submerged arc welding process Weld steel structures using the submerged arc welding process	3	4 6	B
2682	Weld steel to a general purpose industry standard with the manual metal arc welding process Weld steel in the downhand positions to a general purpose industry standard using the manual metal arc welding process	3	6	B
2683	Cut metals using manual thermal processes	3	4	B
2684	Weld steel structures with the gas metal arc welding processes in all positions Weld steel structures in all positions using the gas metal arc or flux cored arc welding processes	4	10	B
2685	Weld steel structures with the manual metal arc welding process in all positions Weld steel structures in all positions using the manual metal arc welding process	4	10	B
2686	Weld aluminium with the gas metal arc welding process in all positions Weld aluminium in all positions using the gas metal arc welding process	4	10	B
2687	Weld stainless steel sheet and plate with the gas metal arc welding processes in all positions Weld stainless steel sheet and plate in all positions using the gas metal arc or flux cored arc welding processes	4	10	B
2688	Weld stainless steel tube with the gas tungsten arc welding process Weld stainless steel tube using the gas tungsten arc welding process	4	12	B
2689	Weld aluminium with the gas tungsten arc welding process in all positions Weld aluminium in all positions using the gas tungsten arc welding process	4	10	B
2690	Weld steel pipe with the oxyacetylene process Weld steel pipe using the oxyacetylene welding process	4	10 12	B
2691	Cut metals using mechanised thermal processes Cut metals using mechanised thermal cutting equipment	4	4	B

Id	Title	Level	Credit	Review Category
2692	Repair non-ferrous metal components by welding Repair non-ferrous metal components using welding processes	4	10	B
2693	Repair ferrous metal components by welding Repair ferrous metal components using welding processes	4	10	B
2694	Weld steel pipe with the manual metal arc welding process using cellulosic electrodes Weld steel pressure pipe using the manual metal arc welding process with cellulosic electrodes	4	20	B
2695	Weld steel pipe with the manual metal arc welding process using hydrogen controlled electrodes Weld steel pressure pipe using the gas tungsten arc and manual metal arc welding processes	4	20	B
2696	Weld pipe in all positions with the gas tungsten arc welding process Weld steel or stainless steel pressure pipe in all positions using the gas tungsten arc welding process	4	12	B
2697	Weld aluminium pipe in all positions with the gas tungsten arc welding process Weld aluminium pipe in all positions using the gas tungsten arc welding process	4	10 12	B
18106	Gouge metals using manual thermal processes Gouge steel using the air carbon arc process	3	2 4	B
25783	Demonstrate knowledge of metal cutting and gouging processes	3	2	New